

Release notes for ENDF/B Development e-099_Es_000
evaluation

ENDF
B-VII.dev

October 13, 2016

- fudge-4.0 Warnings:

1. Mislabelled emitted particle
Reading ENDF file: ../e-099_Es_000.endf (Error # 0): ZAP messed up

WARNING: photon most likely labelled as an electron (ZAP = 11), converting to ZAP = 0
2. FIXME: Generic fudge unimplemented message
reaction label 1: e- + Es + gamma [bremsstrahlung] / Product: e- (Error # 0): Generic unimp (c)

WARNING: Checking not yet implemented for energyLoss type data
3. FIXME: Generic fudge unimplemented message
reaction label 2: e- + Es [excitation] / Product: e- (Error # 0): Generic unimp (c)

WARNING: Checking not yet implemented for energyLoss type data

- fudge-4.0 Errors:

1. Calculated and tabulated thresholds don't agree
reaction label 0: e- + Es [large angle Coulomb scattering] / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!
2. Calculated and tabulated thresholds don't agree
reaction label 1: e- + Es + gamma [bremsstrahlung] / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!
3. Calculated and tabulated thresholds don't agree
reaction label 2: e- + Es [excitation] / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!
4. Calculated and tabulated thresholds don't agree
reaction label 3: e- + e- + Es1s1/2 / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 139110. eV!
5. Calculated and tabulated thresholds don't agree
reaction label 4: e- + e- + Es2s1/2 / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 26824. eV!
6. Calculated and tabulated thresholds don't agree
reaction label 5: e- + e- + Es2p1/2 / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 26007. eV!
7. Calculated and tabulated thresholds don't agree
reaction label 6: e- + e- + Es2p3/2 / Cross section: (Error # 0): Threshold mismatch

- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 20409. eV!
8. Calculated and tabulated thresholds don't agree
reaction label 7: $e^- + e^- + Es3s1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 6953.1 eV!

 9. Calculated and tabulated thresholds don't agree
reaction label 8: $e^- + e^- + Es3p1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 6564.6 eV!

 10. Calculated and tabulated thresholds don't agree
reaction label 9: $e^- + e^- + Es3p3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 5247.2 eV!

 11. Calculated and tabulated thresholds don't agree
reaction label 10: $e^- + e^- + Es3d3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 4625.5 eV!

 12. Calculated and tabulated thresholds don't agree
reaction label 11: $e^- + e^- + Es3d5/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 4369.6 eV!

 13. Calculated and tabulated thresholds don't agree
reaction label 12: $e^- + e^- + Es4s1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 1856.3 eV!

 14. Calculated and tabulated thresholds don't agree
reaction label 13: $e^- + e^- + Es4p1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 1673.6 eV!

 15. Calculated and tabulated thresholds don't agree
reaction label 14: $e^- + e^- + Es4p3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 1315.9 eV!

 16. Calculated and tabulated thresholds don't agree
reaction label 15: $e^- + e^- + Es4d3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 1024. eV!

 17. Calculated and tabulated thresholds don't agree
reaction label 16: $e^- + e^- + Es4d5/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 960.0700000000001 eV!

 18. Calculated and tabulated thresholds don't agree
reaction label 17: $e^- + e^- + Es4f5/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 573.9299999999999 eV!

19. Calculated and tabulated thresholds don't agree
reaction label 18: $e^- + e^- + Es4f7/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 556.13 eV!
20. Calculated and tabulated thresholds don't agree
reaction label 19: $e^- + e^- + Es5s1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 428.63 eV!
21. Calculated and tabulated thresholds don't agree
reaction label 20: $e^- + e^- + Es5p1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 352.76 eV!
22. Calculated and tabulated thresholds don't agree
reaction label 21: $e^- + e^- + Es5p3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 260.36 eV!
23. Calculated and tabulated thresholds don't agree
reaction label 22: $e^- + e^- + Es5d3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 148.17 eV!
24. Calculated and tabulated thresholds don't agree
reaction label 23: $e^- + e^- + Es5d5/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 134.48 eV!
25. Calculated and tabulated thresholds don't agree
reaction label 24: $e^- + e^- + Es5f5/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 11.54 eV!
26. Calculated and tabulated thresholds don't agree
reaction label 25: $e^- + e^- + Es5f7/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 9.609999999999999 eV!
27. Calculated and tabulated thresholds don't agree
reaction label 26: $e^- + e^- + Es6s1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 62.85 eV!
28. Calculated and tabulated thresholds don't agree
reaction label 27: $e^- + e^- + Es6p1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 40.02 eV!
29. Calculated and tabulated thresholds don't agree
reaction label 28: $e^- + e^- + Es6p3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 25.44 eV!

30. Calculated and tabulated thresholds don't agree
reaction label 29: e- + e- + Es7s1/2 / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 5.78 eV!

• `xsectplotter` Warnings:

1. Mislabeled emitted particle
Error: ZAP messed up

stderr while processing crossSection

WARNING: photon most likely labelled as an electron (ZAP = 11), converting to ZAP = 0
... [4 more lines]